PWS4000 Programmable DC Power Supply Series

Choose Your Voltage and Current – Quickly, Precisely

Features	Benefits
Linear regulation	Deliver clean power - with less than 5 mV_{p-p} ripple and noise - to your device.
Better than 0.03% basic voltage accuracy	Be confident in your power supply's output value with 0.03% voltage and 0.05% current basic accuracy.
Up to 72 V output voltage	Generate the power you need for a wide variety of applications with a single power supply.
Overvoltage protection (OVP) and maximum voltage setting	Protect your device under test from accidental damage with integrated OVP circuit and microprocessor-controlled maximum voltage setting.
Remote sense inputs	Deliver accurate voltage to your device under test by eliminating the effect of voltage drop in your lead wires.
List mode	Define up to 7 custom test sequences, each with up to 80 voltage and current steps, with the built-in list mode.
40 setup memories	Simplify complex tests by saving your setup to an internal setup memory. Next time you need to run the test, simply recall that setting.
Numeric keypad	Quickly set precise voltage and current values with the direct-entry keypad.
Bright display	See your power supply's meter readings and limits with a single glance; a bright display provides excellent readability.
User-definable password	Prevent unwanted adjustments during critical tests by locking the front panel of your power supply.
PC Connectivity	Easily connect to a personal computer using the USB device port; Use your preferred programming environment or included NI LabVIEW SignalExpress software to control your power supply remotely.

Designed to Make Your Work Easier

The PWS4000 offers unique features like list mode to simplify your complex tests.

Featuring:

- Linear regulation
- Up to 72 V output voltage
- 0.03% basic voltage accuracy
- 0.05% basic current accuracy
- Less than 5 mVp-p ripple and noise
- Adjustable overvoltage protection
- Remote sense
- List mode
- 40 user-defined setup memories
- Rear outputs and trigger/status lines
- USB device port
- National Instruments LabVIEW SignalExpress™ TE, Limited Edition included
- 3-year warranty

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PWS4000 Series Fact Sheet

Key specifications and ordering information

Models	Output Voltage	Output Current	Programmable
PWS4205	20 V	5 A	Yes
PWS4305	30 V	5 A	Yes
PWS4323	32 V	3 A	Yes
PWS4602	60 V	2.5 A	Yes
PWS4721	72 V	1.2A	Yes

Standard Accessories

- Power Cord
- Quick Start User Manual
- CD ROM with User Manual, Programmer's Manual, Technical Reference
- NI LabVIEW SignalExpress™ Limited Tektronix Edition Software
- Certificate of Calibration
- Three Year Warranty

Recommended Accessories, Test Leads and Probes

Opt. C3/C5	3, 5 Year Calibration Service Plan.
Opt. D1	Calibration Data Report.
Opt. D3/D5	3, 5 Year Calibration Data Report Service
Opt. R5	5 Year Repair Service Plan.

Key Applications	Benefits
▪ Design and debug of embedded systems	▪ Meet the power needs of a wide range of applications with one power supply. ▪ Deliver accurate, clean power to your device with less than 5 mV_{p-p} ripple and noise. ▪ Define a custom test sequence with list mode to stress test or characterize your device.
▪ Bench and Automated Test	▪ Save setup time for repeat tests with the 40 user-defined setup memories. ▪ Control and program your power supply remotely through the USB device port. Use your own programming software or the included copy of NI SignalExpress Limited Edition.

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